Supplementary Materials

Table S1 Primer sequences used in this study.

Gene name	accession IDs	Forward primer (5'-3')	Reverse primer (5'-3')
romo1	KY680285.1	GCACCGTGGAGTAGGAGAACAAC	TTGCCATGCCGACTGAGAAACC
nrf2	Fish and Shellfish Immunology 133 (2023) 108547	GATGAGAAGCGAGCCAGAGCG	GCCGTCGGATGTCTCGGATAA
sod	HM371157.1	GACACGACCATTAGCCTGTACGAC	CAGCGTTGCCAGTAGCGAGTG
gpx	AY973252.2	TCTGAGCGGCGAGATGGTGTC	CTGGTGGAAGTCCCTGGTGGTC
hsp70	AY645906.1	TGTGCCTGCCTACTTCAACGATTC	CGCTCACCGCCAACCTTCTTG
bip	JQ265942.2	CCAGCACGACATCCAGTTCTTCC	CCTCCGCAGCAAACACCTTCTC
ire1	XM_027370661.1	GGTACATTAGGTTCTCGTCCGTCAC	AATTCCTCTGGTGTTGCCTTAGCC
xbp1	JQ265944.1	CGCCTGCTGAGGATGACCTTATTAC	GCCTACTGGTGATGTGTCCTTAACG
alf	MF135540.1	GGTGTTCCTGGTGGCACTCT	AGCTCCGTCTCCTCGTTCCT
crus	AY486426.1	CCACGAACCAGAGACACCTG	CGAGGCCAGCACACTTGTAG
pen-3	AF390139.1	CACCACCCTTCGTGAGACCTTTG	GTGACAGCAACGCCCTAACCG
lys	AY170126.2	TCGAGTCGTCCTTCAACACG	TGCAGACGTTCTTGCCGTAG
propo	AY723296.1	CAATGACCAGCAGCGTCTTC	CACGGAAGGAGGCGTATCAT
casp-3	KC660103.1	AGACGGACAGCATACAGGAGGAC	CTCGGCCAAGAAGTGGATGAAGAC
casp-9	Science of the Total Environment 879 (2023) 163039	ATGGCTCGTGGTTCATTCAG	CATCAGGGTTGAGACAATACAGG
cyp450	GU969106.2	CAACGACACCATCAGGAGCAGAC	CAGCAGCAGGTCCAAGAAGGC
gst	AY573381.2	ACGAACACTACGAACAGAAGGATGC	GCCAGGAAGTCGATGTAGGTTAGC
ca	HM626273.1	CCTATTCTGGCTCCCTCACTACCC	GTTCATCCTCTGGGCAACACTCG
nka-α	XM_027367933.1	TGAAATCGTGTTTGCCCGTACCTC	ACCATCACCAGTTACAGCCACAATG
nka-β	XM_027361978.1	GAACCCAGCCGACGAAGAATACG	CAGCAACAATAGGTGGCAGGTAGC
vatp	XM_027381427.1	GCCAAGTATGAGCACCTAGCAGAC	TCGTCCACCACCTTACTGAAGAGAG
nhe	XM_027382317.1	CACCGCCATCCTCACCAAGTTC	ACAGAAGAGCACAGCCACAATACC
clc	XM_027354341.1	GCCGATAGGAGGTGTGTTGTTCAG	CGAAGAAGCCACGCCAGTAGTTC
aqp	KF548550.1	GCAGCCATCTTGAAGGGAGTGAC	ACGAGGACGAAGGTGATGAGGAG
tip4	XM_027372540.1	GTCTCTCTGAACCCTTGCCAAACTC	GTTGCCTATGATTACCTGCGTCCTC
ccp	XM_027353021.1	CCCTGAGACCTCTGTTTGCTGTG	TGGCAGTGTTCTTCGCATGTTCC
β-actin	AF300705.2	TCGCTCCCTCCACCATGAAGATC	CTCCTGCTTGCTGATCCACATCTG